## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

| My residence, post office address, and citizenship are as stated below next to my name.  |
|--|
| I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names as |
| listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:                                     |

| listed below) of the subject matter wh   | ich is claimed  | and for which a patent i  | is sought on the i                     | nvention entitled:  |  |
|--|---|---|--|---|--|
| TRANSGENIC FIBRINOGEN  |   | •   | J                                      |   |  |
| the specification of which (check one)   |   |   |  |   |  |
| is attached hereto   |   |   |  |   |  |
| was filed on May 17, 1995  | as Applicatio   | n Serial No. <u>08/443</u>  | 3,184 and v                            | vas amended on  | (if applicable).                               |
| I hereby state that I have reviewed and amendment referred to above.   | d understand t  | the contents of the above-  | identified specific                    | eation, including the claims,                               | as amended by any                              |
| I acknowledge the duty to disclose in Regulations § 1.56.  | formation whi   | ich is known by me to be  | material to pater                      | tability as defined in Title 3                              | 37, Code of Federal                            |
| I hereby claim foreign priority bene<br>certificate listed below and have also is<br>of the application on which priority is | dentified belo  | le 35, United States Cod<br>w any foreign application   | le, § 119 of any<br>for patent or inve | foreign application(s) for jettor's certificate having a fi | patent or inventor's<br>lling date before that |
| PRIOR FOREIGN APPLICATION  | (S)   |   |  |   |  |
|  | (5)   |   |  |   | •  |
| . NUMBER   |   | COUNTRY   | DA                                     | Y/MONTH/YEAR FILED  | PRIORITY<br>CLAIMED                            |
|  |   | COUNTRY   | DA                                     | Y/MONTH/YEAR FILED  |  |
|  |   | COUNTRY   | DA                                     | Y/MONTH/YEAR FILED  |  |
|  |   | COUNTRY   | DA                                     | Y/MONTH/YEAR FILED  |  |
|  | 35, United St<br>application is<br>Code, § 112,<br>ode of Feder | ates Code, § 120 of any to not disclosed in the price I acknowledge the duty al Regulations § 1.56 wh | United States appl                     | ication(s) listed below and in                              | nsofar as the subject                          |

| APPLICATION SERIAL NO. | FILING DATE       | STATUS: PATENTED, PENDING,<br>ABANDONED |
|------------------------|-------------------|---|
| 08/198,068             | February 18, 1994 | Pending                                 |
|                        |                   |   |

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Stephen A. Bent, Reg. No. 29,768; David A. Blumenthal, Reg. No. 26,257; John J. Feldhaus, Reg. No. 28,822; Donald D. Jeffery, Reg. No. 19,980; Eugene M. Lee, Reg. No. 32,039; Peter G. Mack, Reg. No. 26,001; Brian J. McNamara, Reg. No. 32,789; Sybil Meloy, Reg. No. 22,749; George E. Quillin, Reg. No. 32,792; Colin G. Sandercock, Reg. No. 31,298; Bernhard D. Saxe, Reg. No. 28,665; Richard L. Schwaab, Reg. No. 25,479; Arthur Schwartz, Reg. No. 22,115; Harold C. Wegner, Reg. No. 25,258.

Send all correspondence to FOLEY & LARDNER, 3000 K Street, N.W., Suite 500, P.O. Box 25696, Washington, D.C. 20007-8696. Address telephone communications to <u>Stephen A. Bent</u> at (202) 672-5300.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Full Name of First or Sole Inventor  William H. VELANDER             | Signature of First or Sole Inventor Date |
|--|--|
| Residence Address Blacksburg, Virginia                               | Country of Citizenship U.S.A.            |
| Post Office Address 3014 Lancaster Drive, Blacksburg, Virginia 24060 |  |



#3

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

| listed below) of the subject matter which<br>TRANSGENIC FIBRINOGEN<br>the specification of which (check one)  | is claimed and for which a patent is sought  | on the invention entitled:  |   |  |
|---|--|---|---|--|
| is attached hereto  |  |   |   |  |
| was filed on <i>May 17, 1995</i> as a   | Application Serial No. <u>08/443,184</u>   | and was amended on  | (if applicable)   |  |
| I hereby state that I have reviewed and ur amendment referred to above.   | derstand the contents of the above-identified  | specification, including the claims,  | as amended by an  |  |
| I acknowledge the duty to disclose inform Regulations § 1.56.   | nation which is known by me to be material   | to patentability as defined in Title 3  | 17, Code of Federa  |  |
| I hereby claim foreign priority benefits certificate listed below and have also ident of the application on which priority is clap PRIOR FOREIGN APPLICATION(S) | under Title 35, United States Code, § 119 iffied below any foreign application for patent imed:  | of any foreign application(s) for r<br>t or inventor's certificate having a fi                                | patent or inventor'<br>ling date before the                   |  |
| NUMBER NUMBER   | COUNTRY  | DAY/MONTH/YEAR FILED  | PRIORITY  |  |
|   |  |   | CLAIMED   |  |
|   |  |   |   |  |
| paragraph of Title 35, United States Cod<br>patentability as defined in Title 37, Code<br>the national or PCT international filing de<br>APPLICATION SERIAL NO. | United States Code, § 120 of any United Statication is not disclosed in the prior United e, § 112, I acknowledge the duty to disclose of Federal Regulations § 1.56 which occurrate of this application:  FILING DATE      | red between the filing date of the programmed between the filing date of the programmed STATUS: PATENTED.     | ne to be material trior application and                       |  |
| 08/198,068  | February 18, 1994  | ABANDONE Pending  |   |  |
| 00/1/01000  | 1 (0) (1), 1//   | T CHANGE  | <b>5</b>  |  |
|   |  |   |   |  |
| Feldhaus, Reg. No. 28,822; Donald D. Je<br>J. McNamara, Reg. No. 32,789; Sybil Me<br>Bernhard D. Saxe, Reg. No. 28,665; Ric<br>No. 25,258.                      | Il powers of substitution and revocation, to public permits. Stephen A. Bent, Reg. No. 29, offery, Reg. No. 19,980; Eugene M. Lee, Regloy, Reg. No. 22,749; George E. Quillin, Reghard L. Schwaab, Reg. No. 25,479; Arthur | eg. No. 32,039; Peter G. Mack, Reg<br>eg. No. 32,792; Colin G. Sandercock<br>Schwartz, Reg. No. 22,115; Harol | ; No. 26,001; Bria<br>k, Reg. No. 31,298<br>ld C. Wegner, Reg |  |
| Address telephone communications to <u>S</u>  | <u> </u>   | · · · · ·   |   |  |
| believed to be true; and further that these   | herein of my own knowledge are true and the statements were made with the knowledge of the under Section 1001 of Title 18 of the Unition or any patent issued thereon.   | e that willful false statements and th  | ne like so made ar  |  |
| Full Name of First or Sole Inventor   | Signatu  | re of First or Sole Inventor  | Date  |  |
| William H. VELANDER   |  |   |   |  |
| Residence Address   |  | Country of Citizensh  | iip   |  |
| Blacksburg, Virginia  |  | U.S.A.  |   |  |
| Post Office Address 3014 Lancaster Drive Blacks   | hura Virginia 24060  | 1   |   |  |

## DECLARATION AND POWER OF ATTURNEY

#3

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## TRANSGENIC FIBRINOGEN

| the specification of w | hich (check one) |
|------------------------|------------------|
|------------------------|------------------|

|   | • - | -44  | 1   | hereto |
|---|-----|------|-----|--------|
| _ | 19  | amac | nea | nerero |

was filed on May 17, 1995 as Application Serial No. \_\_\_\_\_\_\_ and was amended on \_\_\_\_\_\_ (if applicable

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

## PRIOR FOREIGN APPLICATION(S)

| NUMBER | COUNTRY | DAY/MONTH/YEAR FILED | PRIORITY<br>CLAIMED |
|--------|---------|----------------------|---------------------|
|        |         |                      |                     |
|        |         |                      |                     |

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| APPLICATION SERIAL NO. | FILING DATE       | STATUS: PATENTED, PENDING,<br>ABANDONED |
|------------------------|-------------------|---|
| 08/198,068             | February 18, 1994 | Pending                                 |
|                        |                   |   |

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Stephen A. Bent, Reg. No. 29,768; David A. Blumenthal, Reg. No. 26,257; John J. Feldhaus, Reg. No. 28,822; Donald D. Jeffery, Reg. No. 19,980; Eugene M. Lee, Reg. No. 32,039; Peter G. Mack, Reg. No. 26,001; Brian J. McNamara, Reg. No. 32,789; Sybil Meloy, Reg. No. 22,749; George E. Quillin, Reg. No. 32,792; Colin G. Sandercock, Reg. No. 31,298; Bernhard D. Saxe, Reg. No. 28,665; Richard L. Schwaab, Reg. No. 25,479; Arthur Schwartz, Reg. No. 22,115; Harold C. Wegner, Reg. No. 25,258.

Send all correspondence to <u>FOLEY & LARDNER</u>, 3000 K Street, N.W., Suite 500, P.O. Box 25696, Washington, D.C. 20007-8696. Address telephone communications to <u>Stephen A. Bent</u> at (202) 672-5300.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Full Name of First or Sole Inventor  William H. VELANDER / - | Signature of First or Sole Inventor Da | 1495 |
|--|--|------|
| Residence Address  | Country of Citizenship                 |      |
| Blacksburg, Virginia   | U.S.A.                                 |      |
| Post Office Address  |  |      |
| 3014 Lancaster Drive, Blacksburg, Virginia 24060             |  |      |

Signatures should conform to names as typewritten. 

Additional inventors on attached Page 2.



14

| . <b>.</b> .   |                   |                              | #            |
|--|-------------------|------------------------------|--------------|
| Full Name of Second Inventor Susan T. LORD   | Signature of Seco | J. And                       | Date 6/20/95 |
| Residence Address  Chapel Hill, North Carolina  N  |                   | Country of Citizenshi U.S.A. | <b>p</b>     |
| Post Office Address  108 Northwood Drive, Chapel Hill, North Carolina 2013 Damasus Church Rd | 27516             |                              |              |
| Full Name of Third Inventor  | Signature of Thir | rd Inventor                  | Date         |
| William N. DROHAN  |                   |                              |              |
| Residence Address  |                   | Country of Citizenshi        | P            |
| Springfield, Virginia  |                   | U.S.A.                       |              |
| Post Office Address  |                   |                              |              |
| 8417 Oakford Drive, Springfield, Virginia 22152  |                   |                              |              |
| Full Name of Fourth Inventor   | Signature of Fou  | eth Inventor                 | Date         |
| Henryk LUBON   | Signature of 1 ou | in myonor                    | Duc          |
| Residence Address  |                   | Country of Citizenshi        | p            |
| Rockville, Maryland  | •                 | Poland                       |              |
| Post Office Address  | 7                 |                              |              |
| 7416 Monona Terrace, Rockville, Maryland 20855   |                   |                              |              |
| Full Name of Fifth Inventor  | Le: EF:G          | 1. 1                         | Date         |
| John L. JOHNSON  | Signature of Fift | n inventor                   | Date         |
| Residence Address  | 1                 | Country of Citizenshi        | p            |
| Blacksburg, Virginia   |                   | U.S.A.                       |              |
| Post Office Address  |                   |                              |              |
| 805 Crestwood Drive, S.E., Blacksburg, Virginia 240  | 060               |                              |              |
|  |                   |                              |              |
| Full Name of Sixth Inventor  | Signature of Six  | Inventor                     | Date         |
| Christopher G. RUSSELL   |                   |                              |              |

Residence Address

Blacksburg, Virginia

Post Office Address

403 Cohee Road, Blacksburg, Virginia 24060



Country of Citizenship

U.S.A.

Full Name of Second Inventor

Chapel Hill, North Carolina

108 Northwood Drive, Chapel Hill, North Carolina

Susan T. LORD

Residence Address

Post Office Address



| Full Name of Third Inventor  William N. DROHAN  3-00                | Signature of Third Inventor William N. Dolum | Date<br>June 15<br>1425 |
|---|--|-------------------------|
| Residence Address  Springfield, Virginia                            | Country of Citizensh U.S.A.                  |                         |
| Post Office Address 8417 Oakford Drive, Springfield, Virginia 22152 |  | 1.4a,n                  |

| Full Name of Fourth Inventor  Henryk LUBON         | 4-00             | Signature of For | dela -                       | Date June 15 |
|--|------------------|------------------|------------------------------|--------------|
| Residence Address  Rockville, Maryland             |                  |                  | Country of Citizenshi Poland | p            |
| Post Office Address 7416 Monona Terrace, Rockville | , Maryland 20855 |                  |                              |              |

| Full Name of Fifth Inventor  John L. JOHNSON                       | Signature of Fifth Inventor | Date    |
|--|-----------------------------|---------|
| Residence Address  Blacksburg, Virginia                            | Country of Citiz            | zenship |
| Post Office Address<br>805 Crestwood Drive, S.E., Blacksburg, Virg | inia 24060                  |         |

| Full Name of Sixth Inventor Christopher G. RUSSELL             | Signature of Six Inventor | Date        |
|--|---------------------------|-------------|
| Residence Address  Blacksburg, Virginia                        | Country of C<br>U.S.A.    | Citizenship |
| Post Office Address 403 Cohee Road, Blacksburg, Virginia 24060 | <u> </u>                  |             |

\_\_\_\_\_

Full Name of Second Inventor

Susan T. LORD

Residence Address

Chapel Hill, North Carolina

Post Office Address

108 Northwood Drive, Chapel Hill, North Carolina

| Full Name of Third Inventor William N. DROHAN              | Sign         | nature of Third Inventor | Date            |
|--|--------------|--------------------------|-----------------|
| Residence Address Springfield, Virginia                    | <u> </u>     | Country of Citie U.S.A.  | zenshi <b>p</b> |
| Post Office Address<br>8417 Oakford Drive, Springfield, Vi | rginia 22152 |                          |                 |

| Full Name of Fourth Inventor Henryk LUBON                          | Signature of Fourth Inventor | Date        |
|--|------------------------------|-------------|
| Residence Address Rockville, Maryland                              | Country of C<br>Poland       | Citizenship |
| Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 |                              |             |

Full Name of Fifth Inventor

John L. JOHNSON

Residence Address

Blacksburg, Virginia

Post Office Address

805 Crestwood Drive, S.E., Blacksburg, Virginia 24060

| Full Name of Sixth Inventor Christopher G. RUSSELL 6           | Signature of Six | Akusel 6/23/95               |
|--|------------------|------------------------------|
| Residence Address  Blacksburg, Virginia Hartselle, Alabama     | CGR AL           | County of Citizenship U.S.A. |
| Post Office Address 403 Cohee Road, Blacksburg, Virginia 24060 | Route 2 Box 293, | Hartselle, AL 35640 CGR      |

| Applicant or Patentee: University Nor  | th Carolina  |
|--|--|
| Serial or Patent No.:  | Atty. Dkt. No. 30523/125/ANRC  |
| Filed or Issued: May 17, 1995  For: TRANSGENIC FIBRINGGEN  |  |
| For: TRANSGENIC FIBRINGGEN   |  |
|  | CLARATION) CLAIMING SMALL ENTITY STATUS<br>1.27 (c)) — NONPROFIT ORGANIZATION  |
| I hereby declare that I am an official empowere  | ed to act on behalf of the nonprofit organization identified below:  |
| TYPE OF ORGANIZATION:  (xx) UNIVERSITY OR OTHER IN  () TAX EXEMPT UNDER INTE  () NONPROFIT SCIENTIFIC OF  STATES OF AMERICA  (NAME OF STATE  (CITATION OF STATUTE  () WOULD QUALIFY AS TAX  501(a) and 501(c)(3) IF LOCA'  () WOULD QUALIFY AS NON | ERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3)) R EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED  |
| (NAME OF STATE   | dentified above qualifies as a nonprofit organization as defined in 37 CFR er section 41(a) or (b) of Title 35, United States Code with regard to the EN by inventor(s) described in   |
|  |  |
| ( ) the specification filed herewith (xx) application Serial No. 08/4 ( ) patent no.   | 43, 184 Filed, May 17, 1995, issued  |
| I hereby declare that rights under contract or law<br>regard to the above-identified invention.  | w have been conveyed to and remain with the nonprofit organization with  |
| to the invention is listed below and no rights to not qualify as a small business concern under business concern under 37 CFR 1.9(d) or a no   | are not exclusive, each individual, concern or organization having rights the invention are held by any person, other than the inventor, who could 37 CFR 1.9(d) or by any concern which would not qualify as a small emprofit organization under 37 CFR 1.9(e). *NOTE: Separate verified in, concern or organization having rights to the invention averring to their |
| NAME: Virginia Tech Intellectual Property ADDRESS: 1900 Kraft Drive, Suite 107, B  |  |
|  | BUSINESS CONCERN (xx) NONPROFIT CORPORATION  |
| NAME: Virginia Polytechnic Institute at  |  |
| ADDRESS: Suite 301, Burris, Blacksburg, ( ) INDIVIDUAL ( ) SMALL I   | VA 24061 BUSINESS CONCERN (xx) NONPROFIT CORPORATION   |
| NAME: American National Red Cross  |  |
| ADDRESS: 1730 F Street, N.W., Washington   | ton, D.C. 20006 BUSINESS CONCERN (xx) NONPROFIT CORPORATION  |

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate: (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

|                               | Francis J. Meyer,  |                         |                |
|-------------------------------|--------------------|-------------------------|----------------|
| TITLE OF PERSON OTHER THAN O  | WNER: Associate Vi | ce Chancellor, Technolo | gy Development |
| ADDRESS OF DEDSON SIGNING, OF | fice of Technology | Development, CB #4100.  | 302 Bynum Hall |
|                               | hapel Hill, NC 275 | 99-4100                 |                |
| SIGNATURE: From A. W.         | ugn                | DATE: 6/28/95           |                |

| Applicant or Patentee: America Itional Red Cross   |  | #3  |
|--|--|---|
|  | 3/125/ANRC   | -   |
| Filed or Issued: May 17, 1995  For. OPENISCENIC FIBRINGGEN   |  |   |
| Por 3  |  | <del></del>   |
| \$. 10r - 1  |  |   |
| VERIFIED STATEMENT (DECLARATION) CLAIMING SMA<br>(37 CFR 1.9(f) AND 1.27 (c)) — NONPROFIT ORGA   | ALL ENTITY STATU<br>ANIZATION  | JS  |
| declare that I am an official empowered to act on behalf of the nonprofit  | t organization identifie   | d below:  |
| NAME OF ORGANIZATION: American National Red Cross ADDRESS OF ORGANIZATION: 1730 F Street, N.W., Washington, J.   | D.C. 20006   |   |
| TYPE OF ORGANIZATION:  ( ) UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUC  ( xx) TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CO  ( ) NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STA   | DDE (26 USC 501(a) A   | ND 501(c)(3)) THE UNITED                                  |
| STATES OF AMERICA (NAME OF STATE) (CITATION OF STATUTE   | ,  |   |
| (CHATION OF STATUTE  ( ) WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL F  501(a) and 501(c)(3) IF LOCATED IN THE UNITED STATES  | REVENUE SERVICE OF AMERICA   | CODE (26 USC  |
| ( ) WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDU<br>STATE OF THE UNITED STATES OF AMERICA IF LOCA  | CATIONAL UNDER   | STATUTE OF<br>D STATES OF                                 |
| AMERICA (NAME OF STATE) (CITATION OF STATUTE)  |  |   |
| I hereby declare that the nonprofit organization identified above qualifies as a nonp 1.9(e) for purposes of paying reduced fees under section 41(a) or (b) of Title 35, invention entitled TRANSGENIC FIBRINOGEN  William H. Velander et al. described in   | United States Code w   | fined in 37 CFR ith regard to the by inventor(s)          |
| ( ) the specification filed herewith   |  |   |
| (xx) application Serial No. 08/443, 184 Filed, May 17 () patent no, issued   | ', 1995<br>——————  |   |
| I hereby declare that rights under contract or law have been conveyed to and remaregard to the above-identified invention.   | ain with the nonprofit o   | rganization with  |
| If the rights held by the nonprofit organization are not exclusive, each individual to the invention is listed below* and no rights to the invention are held by any person to qualify as a small business concern under 37 CFR 1.9(d) or by any concern business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CI statements are required from each named person, concern or organization having status as small entities. (37 CFR 1.27) | son, other than the inverse which would not question to the second secon | entor, who could<br>alify as a small<br>Separate verified |
| NAME: Virginia Tech Intellectual Properties, Inc.  ADDRESS: 1900 Kraft Drive, Suite 107, Blacksburg, VA 24060  |  |   |
| ( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN  | ( xx) NONPROFIT C  | CORPORATION   |
| NAME: Virginia Polytechnic Institute and State University  | · · · · · · · · · · · · · · · · · · ·  |   |
| ADDRESS: Suite 301, Burris, Blacksburg, VA 24061  ( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN  | ( xx) NONPROFIT C  | CORPORATION   |
| NAME: University of North Carolina, Office of Research Services  |  |   |
| ADDRESS: Campus Box 4100, Chapel Hill, North Carolina 27599  ( ) INDIVIDUAL ( ) SMALL BUSINESS CONCERN   | ( xx) NONPROFIT C  | CORPORATION   |

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate: (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

| NAME OF PERSON SIGNING: Barry M. Datlof       |                                |  |
|---|--------------------------------|--|
| TITLE OF PERSON OTHER THAN OWNER: Director,   | Patents and Licensing          |  |
| ADDRESS OF PERSON SIGNING: 11560 Crabbs Branc | h Way Rockville Maryland 20855 |  |
|   | •                              |  |
| SIGNATURE: Lee W AND                          | DATE: 15 June 95               |  |
|   |                                |  |

| Applicant or   | Patentee:  | Virginia .   | Intellectual Pr  | operties Inc  |  | 7   |
|--|--|--|--|---|--|---|
| Serial or Pate   | nt No.: _  |  | <i>P</i>   | Atty. Dkt. No. 3  | 30523/125/ANRC   |   |
| Filed or Issue   | d: May 1   | 7, 1995  |  |   |  |   |
|  |  | FIBRINOGEN   | <b>J</b>   |   |  | <del></del>   |
| ER JUL 3   | \  | •  |  |   |  |   |
| 1995   | / (3   | 37 CFR 1.9(f) A  | ND 1.27 (c)) —   | NONPROFIT OF  | SMALL ENTITY STATUS RGANIZATION rofit organization identified  |   |
| Thereadous are   | c mai i am   | an official empe   | werear to act on t   | enan of the nonpi   | tont organization identified   | below.  |
| ADDR<br>TYPE   | ESS OF OR<br>OF ORGAN  | RGANIZATION<br>NIZATION:   | : 1900 Kraft Dri   | ,   | ckshurg, VA 24060  |   |
| ( )<br>( xx)<br>( )  | TAX EXE<br>NONPROD<br>STATES (   | MPT UNDER I<br>FIT SCIENTIFI<br>OF AMERICA   | INTERNAL REV<br>C OR EDUCATI   | ONAL UNDER S  | OUCATION CODE (26 USC 501(a) ANSTATUTE OF STATE OF   | ID 501(c)(3))<br>THE UNITED   |
|  | (NAME O  | F STATE  | E  |   | 1  |   |
| ( )  | WOULD (  | QUALIFY AS   | IAX EXEMPI U   | NDEK INTEKNA  | L REVENUE SERVICE C  | ODE (26 USC   |
|  | 501(a) and   | l 501(c)(3) IF L   | OCATED IN TH   | E UNITED STAT   | ES OF AMERICA  |   |
| ( )  | STATE O  | F THE UNITE  | D STATES OF A  | AMERICA IF LO   | DUCATIONAL UNDER S<br>CATED IN THE UNITED  | STATES OF   |
|  | (NAME O  | OF STATE<br>ON OF STATUT   |  | )   | ,  |   |
|  | (CITATIO   | N OF STATUL  |  |   |  |   |
| 1.9(e) for purpoinvention entitle  | oses of payied TRANS   | ng reduced fees<br>GENIC FIBRIN  | under section 41   | (a) or (b) of Title   | onprofit organization as defi<br>35, United States Code with   | ned in 37 CFR<br>regard to the<br>by inventor(s)  |
| William H. Vel   | ander et al.   |  |  | describe  | ed in  |   |
| ( )  | the specific   |  | 1.1  |   |  |   |
| ( xx)<br>( )   | application patent no.   | cation filed here Serial No. 0   | ewith<br>18/443,184<br>, issued  | Filed, May  | 17, 1995   |   |
| ( )  | application patent no. that rights   | under contract   | 8/443,184<br>, issued  |   | emain with the nonprofit org   | ganization with   |
| I hereby declare regard to the ab  | application patent no.  e that rights pove-identified by the no is listed bela small busing under 37 required from   | under contract of ied invention.  onprofit organizations and no rigitiness concern under CFR 1.9(d) or meach named p   | or law have been ation are not exclusive to the invention are 37 CFR 1.9   | conveyed to and reasive, each individe n are held by any posterior by any contraction under 37  |  | n having rights<br>tor, who could<br>lify as a small<br>parate verified                     |
| I hereby declare regard to the about the invention not qualify as a business concerstatements are a status as small  | application patent no.  e that rights pove-identified by the no is listed bela small busing under 37 required from the contities. (3'  | under contract of ied invention.  onprofit organizations and no rigitiness concern under CFR 1.9(d) or meach named p   | or law have been attion are not exclusive to the invention and of the invention of the inve | conveyed to and reasive, each individe n are held by any posterior by any contraction under 37  | tual, concern or organization person, other than the inventocern which would not qual CFR 1.9(e). *NOTE: Se  | n having rights<br>tor, who could<br>lify as a small<br>parate verified                     |
| I hereby declare regard to the ab  | application patent no.  e that rights pove-identified by the no is listed below a small busing under 37 required from the contities. (3'  American 1730 F. Str.  | under contract of ied invention.  onprofit organizations concern under concern anne concern under contract under co | or law have been attion are not exclusive to the invention and of the invention of the inve | conveyed to and reasive, each individen are held by any posterior by any control or by any control or anization under 37 corganization havi   | tual, concern or organization person, other than the inventocern which would not qual CFR 1.9(e). *NOTE: Se  | n having rights<br>tor, who could<br>lify as a small<br>parate verified<br>verring to their |
| I hereby declare regard to the about the invention not qualify as a business concerstatements are a status as small of NAME: ADDRESS:                                  | application patent no.  e that rights bove-identified by the no is listed bela small busin under 37 required from the contities. (3'  American 1730 F. Studentian P. Stude | under contract of ied invention.  onprofit organizations concern under contract under c | or law have been ation are not exclusive to the invention and or 37 CFR 1.9 a nonprofit organ berson, concern or concern  | conveyed to and reasive, each individe n are held by any portion of the contraction under 37 corganization having the concern of the concern | emain with the nonprofit organization dual, concern or organization person, other than the inventoern which would not qual CFR 1.9(e). *NOTE: Seing rights to the invention as | n having rights<br>tor, who could<br>lify as a small<br>parate verified<br>verring to their |
| I hereby declare regard to the about the invention not qualify as a business concerstatements are a status as small of NAME: ADDRESS:  ( ) INDIVIDUATE  NAME: ADDRESS: | application patent no.  e that rights pove-identified by the no is listed below a small busing under 37 required from the contities. (3'  American 1730 F. Studential P. Suite 301,  | under contract of ied invention.  onprofit organizations concern under c | or law have been ation are not exclusive to the invention and or 1.9 a nonprofit organ erson, concern or the state of the  | conveyed to and reasive, each individe n are held by any portion of the contraction under 37 corganization having the concern | emain with the nonprofit organization person, other than the inventorer which would not qual CFR 1.9(e). *NOTE: Seing rights to the invention as (xx) NONPROFIT CO             | n having rights tor, who could lify as a small parate verified verring to their ORPORATION  |
| I hereby declare regard to the about the invention not qualify as a business concerstatements are ustatus as small of NAME:  ADDRESS:  ( ) INDIVIDUALE.                | application patent no.  e that rights pove-identified by the no is listed below a small busing under 37 required from the contities. (3'  American 1730 F. Studential P. Suite 301,  | under contract of ied invention.  onprofit organizations concern under c | or law have been ation are not exclusive to the invention and or 37 CFR 1.9 a nonprofit organ berson, concern or concern  | conveyed to and reasive, each individe n are held by any portion of the contraction under 37 corganization having the concern | emain with the nonprofit organization dual, concern or organization person, other than the inventoern which would not qual CFR 1.9(e). *NOTE: Seing rights to the invention as | n having rights tor, who could lify as a small parate verified verring to their ORPORATION  |
| I hereby declare regard to the about the invention not qualify as a business concerstatements are a status as small of NAME: ADDRESS:  ( ) INDIVIDUATE  NAME: ADDRESS: | application patent no.  e that rights ove-identified by the no is listed bela small busin under 37 required from the contities. (3'  American 1730 E Studential JAL  Virginia P Suite 301, JAL  University   | under contract of ied invention.  onprofit organizations and no right iness concern under CFR 1.9(d) or meach named profit organizations and no right iness concern under the  | or law have been ation are not exclusive to the invention and or 1.9 a nonprofit organ erson, concern or the state of the  | conveyed to and reasive, each individed in are held by any process of the convergence of | emain with the nonprofit organization person, other than the inventorer which would not qual CFR 1.9(e). *NOTE: Seing rights to the invention as (xx) NONPROFIT CO             | n having rights tor, who could lify as a small parate verified verring to their ORPORATION  |

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying; the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate: (37 CFR 1.28(b)).

| I hereby declare that all statem<br>and belief are believed to be<br>statements and the like so may<br>United States Code, and that so<br>thereon, or any patent to which | true; and further that these<br>de are punishable by fine or<br>uch willful false statements m | statements were made w<br>imprisonment, or both, us<br>any jeopardize the validity | vith the knowledge<br>under section 1001 ( | that willful false of Title 18 of the |
|---|--|--|--|---------------------------------------|
| NAME OF DEPON SIGNIN  |  | irected.   |  |                                       |

| NAME OF PERSON SIGNING: Theodore Kohn              |               |                     |  |
|--|---------------|---------------------|--|
| TITLE OF PERSON OTHER THAN OWNER: Director         |               |                     |  |
| ADDRESS OF PERSON SIGNING: 1900 Kraft Drive, Suite | : 107_Blacksb | nurg Virginia 24060 |  |
| SIGNATURE: ////////////////////////////////////    | DATE: .       | 7/20/95             |  |
|  |               |                     |  |
|  |               |                     |  |

..

|   | r Patentee: Virginia ptechnic Institute and State University  | 4/   |
|---|---|--|
| Serial or Pate  |   | <u>.                                    </u>                                     |
|   | ued: May 17, 1995<br>NSGENIC FIBRINGGEN   |  |
| For: TRAN   | NNGENIC FIRRINOGEN  | ······································   |
| RO  |   |  |
| RIL ROOM  | <u> </u>  |  |
| 3 JUL 1 21 1 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                 | VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY (37 CFR 1.9(f) AND 1.27 (c)) — NONPROFIT ORGANIZATION  |  |
| I hereby declare  | the that I am an official empowered to act on behalf of the nonprofit organization IE OF ORGANIZATION: Virginia Polytechnic Institute and State University  | identified below:  |
| TRIOUTAME   | E OF ORGANIZATION: Virginia Polytechnic Institute and State University  |  |
| ADDR  | RESS OF ORGANIZATION: 301 Burris Hall, Blacksburg, Virginia 24061   | · · · · · · · · · · · · · · · · · · ·  |
| ( xx)   | E OF ORGANIZATION: UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION  |  |
|   | TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF ST STATES OF AMERICA  | 501(a) AND 501(c)(3))<br>ATE OF THE UNITED                                       |
|   | (NAME OF STATE)   |  |
| ( )   | (CITATION OF STATUTE) WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SE   | RVICE CODE (26 IISC  |
| ( )   | 501(a) and 501(c)(3) IF LOCATED IN THE UNITED STATES OF AMERIC.   | A  |
| ( )   | WOULD OUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL  | UNDER STATUTE OF   |
|   | STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE   | UNITED STATES OF   |
|   | AMERICA (NAME OF STATE  |  |
|   | (CITATION OF STATUTE)   |  |
| invention entitle<br>William H. Vel   |   | by inventor(s)   |
| ( )<br>( xx)<br>( )   | the specification filed herewith application Serial No. 08/443, 184 Filed, May 17, 1995 patent no, issued   |  |
|   | are that rights under contract or law have been conveyed to and remain with the no above-identified invention.  | nprofit organization with  |
| to the invention<br>not qualify as a<br>business concer<br>statements are a | neld by the nonprofit organization are not exclusive, each individual, concern or or on is listed below* and no rights to the invention are held by any person, other than a small business concern under 37 CFR 1.9(d) or by any concern which would be required 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). The required from each named person, concern or organization having rights to the influentities. (37 CFR 1.27) | n the inventor, who could<br>d not qualify as a small<br>NOTE: Separate verified |
| NAME:   | American National Red Cross   |  |
| ADDRESS:  | 1730 F Street, N.W., Washington, D.C. 20006   |  |
| ( ) INDIVIDU  | OUAL ( ) SMALL BUSINESS CONCERN ( xx) NONPI   | ROFIT CORPORATION  |
| NAME:   | Virginia Tech Intellectual Properties Inc.  |  |
| ADDRESS:  | 1900 Kraft Drive, Suite 107, Blacksburg, Virginia 24060   |  |
| ( ) INDIVIDU  |   | ROFIT CORPORATION  |
| MAME.   | University of North Compline Office of Decearch Comings   |  |
| NAME:<br>ADDRESS:   | University of North Carolina, Office of Research Services  Campus Box 4100, Chapel Hill, North Carolina 27599   |  |
| ( ) INDIVIDU  |   | ROFIT CORPORATION  |
| , ,   | · · · · · · · · · · · · · · · · · · ·   |  |

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate: (37 CFR 1.28(b)).

• I hereby declare that all statements made increin of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

| NAME OF PERSON SIGNING: Theodore Kohn  |  |
|--|--|
| FITLE OF PERSON OTHER THAN OWNER: Manager, Intellectual Property                           |  |
| ADDRESS OF PERSON SIGNING: Suite-301 Rurris, Blacksburg, VA 24061                          |  |
| ADDRESS OF PERSON SIGNING: Suite-301 Rurris, Rlacksburg, VA 24061  SIGNATURE: DATE: 7/20/9 |  |
|  |  |